PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Form P	CT IIS A DOO				
BP106014		CT/ISA/220 oplicable, item 5 below.				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/FI 2003/000573	18 July 2003	19 June 2003				
Applicant						
Nokia Corporation et al						
This international search report has be applicant according to Article 18. A	peen prepared by this International Searching	ng Authority and is transmitted to the al Bureau.				
This international search report consi	sts of a total of 3 sheets.					
X It is also accompanied by	a copy of each prior art document cited in	1 this report.				
in the language in which it was	e international search was carried out on t filed, unless otherwise indicated under this	item.				
The international sea furnished to this Aut	arch was carried out on the basis of a trans hority (Rule 23.1(b)).	lation of the international application				
b. With regard to any nucleon No. I.	tide and/or amino acid sequence disclosed in	n the international application, see Box				
2. Certain claims were found	unsearchable (see Box No. II)					
3. Unity of invention is lacking	ng (see Box No. III)					
4. With regard to the title,						
x the text is approved as sul	bmitted by the applicant.					
the text has been established by this Authority to read as follows:						
• .		·				
5. With regard to the abstract,						
x the text is approved as sub						
the text has been establish applicant may, within one comments to this Authorit	ed, according to Rule 38.2(b), by this Auth month from the date of mailing of this inte y.	ority as it appears in Box No. IV. The rnational search report, submit				
6. With regard to the drawings,						
	published with the abstract is Figure No	5a				
x as suggested by the ap	-					
	thority, because the applicant failed to sugg					
	thority, because this figure better character	izes the invention.				
b none of the figures is to be	published with the abstract.					

International application No.

PCT/FI 2003/000573

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04B 7/185
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04B, H04Q, H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 9912227 A2 (NOKIA TELECOMMUNICATIONS OY), 11 March 1999 (11.03.1999), page 3, line 2 - line 24; page 4, line 30 - page 7, line 21	1-39
		
Y	WO 9948312 A1 (NOKIA MOBILE PHONES LIMITED), 23 Sept 1999 (23.09.1999), page 6, line 10 - page 7, line 14; page 11, line 1 - line 14; page 23, line 17 - line 30, claims 1,8	1-39
		
A	EP 1096699 A2 (NOKIA CORPORATION), 2 May 2001 (02.05.2001), see paragraphs [0020]-[0021]	1-39

X	Further documents are listed in the continuation of Box	c C.	See patent family annex.	
* "A" "E"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international	"T"	later document published after the international filing date or priorit date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance: the claimed invention cannot be	
L	filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	. "Y"	considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance: the claimed invention cannot be	
~O~ ~P~	document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than	***	considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
Dat	the priority date claimed te of the actual completion of the international search	Date	of mailing of the international search report	
9	February 2004		1 9 -02- 2004	
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Form PCT/ISA/210 (second sheet) (January 2004)

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INTERNATIONAL SEARCH REPORT

International application No. PCT/FI 2003/000573

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	Briso C. et al "An automated emulator of mobile satellite link" 27th European Microwave 97 Conference and Exhibition. Bridging the Gap Between Industrial and Academia. Conference Proceedings (IEEE Cat. No.97TH8317), Proceedings of 27th Microwave Conference, Jerusalem, Israel, 8-12 Sept. 1997 1997, Tel Aviv, Israel, ORTRA, Israel Page(s): 279-284 vol. 1, AN: 5869834 see abstract	1-39
Ρ,Α	US 2003194987 A1 (GANESH PATTABIRAMAN), 16 October 2003 (16.10.2003), see paragraphs (0047]-[0057]	1-39
	· · · · · · · · · · · · · · · · · · ·	
A	US 2002183054 A1 (YORAM RIMONI ET AL), 5 December 2002 (05.12.2002), figure 1, abstract, see paragraphs [0011]-[0014]	1-39
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INTERNATIONAL SEARCH REPORT

Information on patent family members

24/12/2003

International application No.

PCT/FI 2003/000573

WO	9912227	A2	11/03/1999	AU Ep	8982798 A 1012901 A	22/03/1999 28/06/2000
				FI	1012301 A 105764 B	00/00/0000
				FI	973595 A	04/03/1999
				ŤŴ	405317 B	00/00/0000
				บร	6603967 B	05/08/2003
WO	9948312	A1	23/09/1999	AU	2849299 A	11/10/1999
				AU	2950299 A	11/10/1999
				CN	1301468 T	27/06/2001
				EP	1062823 A	27/12/2000
				EP	1064805 A	03/01/2001
				FI	106174 B	00/00/0000
				FI	107979 B	00/00/0000
				FI	980623 A	20/09/1999
			•	FI	981995 A	19/09/1999
				JP	2002507870 T	12/03/2002
				WO	9948315 A	23/09/1999
				AU	2839199 A	11/10/1999
				CN	1293876 T	02/05/2001
				EP	1064804 A	03/01/2001
				GB	2336069 A	06/10/1999
				GB	9805736 D	00/00/0000
				GB	9805843 D	00/00/0000
				JP	2002507869 T	12/03/2002
				MO	9948311 A	23/09/1999
EP	1096699	A2	02/05/2001	FI	992331 A	29/04/2001
US	2003194987	A1	16/10/2003	MO	03090418 A	30/10/2003
US	2002183054	A1	05/12/2002	WO	02082670 A	17/10/2002
				US	6580746 B	17/06/2003
				US	2003012257 A	16/01/2003
•				US	2003193992 A	16/10/2003